

IN THE CLAIMS

Please amend the claims as follows:

1. (previously presented) A method of enhancing a content that comprises contiguous blocks containing a program stream and interleaved blocks containing interleaved program streams, said program streams being readable independently of one another, any occurrence of consecutive interleaved blocks in said content being forbidden, said method comprising a step of using an authoring system for processing an original block of said content so as to interleave at least one enhancement program stream associated with at least one original program stream of said original block, said original program stream comprising original program units and said enhancement program stream comprising enhancement program units, an original program unit being associated with an enhancement program unit, said processing step comprising:

a) if said original block is a contiguous block:

    using the authoring system for checking whether interleaving of said enhancement program stream(s) into said original block would lead to an occurrence of consecutive interleaved blocks in said content, and in such a case,

    using the authoring system for splitting said original contiguous block into a main block and at least one contiguous separation block,

    using the authoring system for using said contiguous separation block(s) to separate said consecutive interleaved blocks,

    using the authoring system for interleaving the enhancement program units associated with the original program units of said

main block, if any, into said main block,  
interleaving the enhancement program units associated with the  
original program units of a contiguous separation block, if any,  
into an interleaved block that is adjacent to said contiguous  
separation block,

b) in other cases, using the authoring system for interleaving said  
enhancement program stream into said original block;

c) using the authoring system for adding a pointer in said original  
program units that points to the enhancement program unit it is  
associated with.

2. (original) A method of enhancing a content as claimed in claim  
1, wherein the enhancement program unit(s) associated with the  
original program unit(s) of a contiguous separation block is (are)  
interleaved into the interleaved block that precedes said  
contiguous separation block.

3. (original) A method of enhancing a content as claimed in claim  
1, wherein said separation block(s) comprise a number of original  
program units such that said contiguous separation block(s) have  
the smallest allowed size.

4. (Currently amended) A non-transitory computer readable ~~tangible~~  
~~media~~ storage medium comprising a computer program comprising  
instructions embodied as physical variations of the media for  
implementing a method of enhancing a content as claimed in claim 1  
when said program is executed by a microprocessor.

5. (Currently amended) An authoring system comprising:  
non-transitory computer readable ~~tangible~~ storage means  
medium for storing a program comprising instructions for

implementing a method as claimed in claim 1 of enhancing an original content with at least an enhancement program stream, and processing means for executing said program so as to provide an enhanced content.

6. (Currently amended) A ~~tangible~~ non-transitory computer readable storage medium storing a content obtained by applying a method of enhancing a content as claimed in claim 1, the storage medium being readable by processing equipment including a processor controlled by ~~information stored within~~ the content.

7. (Currently amended) A ~~tangible~~ non-transitory computer readable storage media comprising content represented by variations in physical properties of the media, the content being obtained by applying a method of enhancing a content as claimed in claim 1, the physical storage media being readable by processing equipment including a processor controlled by the content stored on the ~~physical~~ storage media.

8. (Currently amended) A ~~tangible~~ non-transitory computer readable storage media comprising content represented as variations in physical properties of the media, the content comprising:

contiguous blocks containing a program stream and interleaved blocks containing interleaved program streams,

amongst said interleaved blocks, enhanced interleaved blocks comprising at least an original program stream comprising original program units and an associated enhancement program stream comprising enhancement program units, said original program units each comprising a pointer pointing to the enhancement program unit it is associated with,

and amongst said contiguous blocks, separation blocks

separating a preceding interleaved block and a following interleaved block, said separation blocks comprising one or more original program unit(s) of an original program stream, one of said preceding and following interleaved blocks comprising one or more enhancement program unit(s) associated with said original program unit(s), said original program unit(s) each comprising a pointer pointing to the enhancement program unit it is associated with, the storage media being readable by processing equipment including a processor controlled by the content stored on the storage media.

9-11. (Cancelled)